

# FORSPAN ASSESSMENT MODEL FOR CONTINUOUS ACCUMULATIONS--BASIC INPUT DATA FORM (Version 4, 10-5-00)

## IDENTIFICATION INFORMATION

Assessment Geologist:...	R.C. Johnson and S.B. Roberts	Date:	10/13/2000
Region:.....	North America	Number:	5
Province:.....	Uinta-Piceance	Number:	5020
Total Petroleum System:..	Mesaverde	Number:	502002
Assessment Unit:.....	Piceance Basin Continuous Gas	Number:	50200263
Based on Data as of:.....	PI production data current through third quarter 1999		
Notes from Assessor:.....	Continuous gas, where base of Mesaverde > 1.1 Ro		

## CHARACTERISTICS OF ASSESSMENT UNIT (A.U.)

**Assessment-Unit type:** Oil (<20,000 cfg/bo) or Gas (>20,000 cfg/bo) Gas

**What is the minimum total recovery per cell?...** 0.02 (mmbo for oil A.U.; bcfg for gas A.U.)

Number of evaluated cells:..... 822

Number of evaluated cells with total recovery per cell  $\geq$  minimum: ..... 646

Established (>24 cells  $\geq$  min.) X Frontier (1-24 cells) ..... Hypothetical (no cells) .....

Median total recovery per cell (for cells  $\geq$  min.): (mmbo for oil A.U.; bcfg for gas A.U.)

1st 3rd discovered	<u>0.44</u>	2nd 3rd	<u>0.39</u>	3rd 3rd	<u>0.63</u>
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### Assessment-Unit Probabilities:

Attribute	Probability of occurrence (0-1.0)
1. <b>CHARGE:</b> Adequate petroleum charge for an untested cell with total recovery $\geq$ minimum .....	<u>1.0</u>
2. <b>ROCKS:</b> Adequate reservoirs, traps, seals for an untested cell with total recovery $\geq$ minimum.	<u>1.0</u>
3. <b>TIMING:</b> Favorable geologic timing for an untested cell with total recovery $\geq$ minimum.....	<u>1.0</u>

**Assessment-Unit GEOLOGIC Probability** (Product of 1, 2, and 3):..... 1.0

4. **ACCESS:** Adequate location for necessary petroleum-related activities for an untested cell with total recovery  $\geq$  minimum ..... 1.0

## NO. OF UNTESTED CELLS WITH POTENTIAL FOR ADDITIONS TO RESERVES IN NEXT 30 YEARS

1. Total assessment-unit area (acres): (uncertainty of a fixed value)
 

minimum <u>1,273,000</u>	median <u>1,273,000</u>	maximum <u>1,273,000</u>
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2. Area per cell of untested cells having potential for additions to reserves in next 30 years (acres):  
(values are inherently variable)
 

minimum <u>20</u>	median <u>67</u>	maximum <u>180</u>
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3. Percentage of total assessment-unit area that is untested (%): (uncertainty of a fixed value)
 

minimum <u>96</u>	median <u>97</u>	maximum <u>98</u>
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4. Percentage of untested assessment-unit area that has potential for additions to reserves in next 30 years (%): ( a necessary criterion is that total recovery per cell  $\geq$  minimum)  
(uncertainty of a fixed value)
 

minimum <u>8</u>	median <u>20</u>	maximum <u>35</u>
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**TOTAL RECOVERY PER CELL**

Total recovery per cell for untested cells having potential for additions to reserves in next 30 years:

(values are inherently variable)

(mmbo for oil A.U.; bcfg for gas A.U.)      minimum 0.02      median 0.5      maximum 15**AVERAGE COPRODUCT RATIOS FOR UNTESTED CELLS**

(uncertainty of a fixed value)

Oil assessment unit:	minimum	median	maximum
Gas/oil ratio (cfg/bo).....	<u>                    </u>	<u>                    </u>	<u>                    </u>
NGL/gas ratio (bngl/mmcfg).....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Gas assessment unit:			
Liquids/gas ratio (bliq/mmcfg).....	<u>1.5</u>	<u>3</u>	<u>4.5</u>

**SELECTED ANCILLARY DATA FOR UNTESTED CELLS**

(values are inherently variable)

Oil assessment unit:	minimum	median	maximum
API gravity of oil (degrees).....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Sulfur content of oil (%).....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Drilling depth (m) .....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Depth (m) of water (if applicable).....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Gas assessment unit:			
Inert-gas content (%).....	<u>0.10</u>	<u>0.30</u>	<u>0.50</u>
CO <sub>2</sub> content (%).....	<u>0.10</u>	<u>3.00</u>	<u>5.00</u>
Hydrogen-sulfide content (%).....	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Drilling depth (m).....	<u>1200</u>	<u>2700</u>	<u>4300</u>
Depth (m) of water (if applicable).....	<u>                    </u>	<u>                    </u>	<u>                    </u>

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO STATES**  
**Surface Allocations** (uncertainty of a fixed value)

1. <u>CO Total</u>	represents	<u>100</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>100</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>
2. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
3. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
4. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>

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5.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
6.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
7.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
8.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES**

**Surface Allocations** (uncertainty of a fixed value)

1. <u>Federal Lands</u>	represents	<u>62.4</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>40</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>
2. <u>Private Lands</u>	represents	<u>34.74</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>58</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>
3. <u>Tribal Lands</u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
4. <u>Other Lands</u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>

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5. <u>CO State Lands</u>	represents	<u>2.86</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>2</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>
6. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
7. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
8. <u>                                    </u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>

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9.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
10.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
11.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
12.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....		_____	_____	_____
Portion of volume % that is offshore (0-100%)..		_____	_____	_____

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO FEDERAL LAND SUBDIVISIONS**  
**Surface Allocations** (uncertainty of a fixed value)

1. <u>Bureau of Land Management (BLM)</u>	represents	<u>48.82</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>31.3</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>
2. <u>BLM Wilderness Areas (BLMW)</u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
3. <u>BLM Roadless Areas (BLMR)</u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
4. <u>National Park Service (NPS)</u>	represents	<u>                    </u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>



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5. <u>NPS Wilderness Areas (NPSW)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	median
Volume % in entity.....	_____	_____	maximum
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
6. <u>NPS Protected Withdrawals (NPSP)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	median
Volume % in entity.....	_____	_____	maximum
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
7. <u>US Forest Service (USFS)</u>	represents	13.54	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	median
Volume % in entity.....	_____	_____	maximum
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	8.68	_____
Portion of volume % that is offshore (0-100%)..	_____	0	_____
8. <u>USFS Wilderness Areas (USFSW)</u>	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	_____	median
Volume % in entity.....	_____	_____	maximum
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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9. <u>USFS Roadless Areas (USFSR)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
10. <u>USFS Protected Withdrawals (USFSP)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
11. <u>US Fish and Wildlife Service (USFWS)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
12. <u>USFWS Wilderness Areas (USFWSW)</u>	represents	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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13. <u>USFWS Protected Withdrawals (USFWSP)</u>	represents	_____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
14. <u>Wilderness Study Areas (WS)</u>	represents	_____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
15. <u>Department of Energy (DOE)</u>	represents	_____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
16. <u>Department of Defense (DOD)</u>	represents	_____	areal % of the assessment unit	
<u>Oil in oil assessment unit:</u>	minimum		median	maximum
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
Volume % in entity.....	_____	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____	_____

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17. Bureau of Reclamation (BOR)	represents		areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
18. Tennessee Valley Authority (TVA)	represents		areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
19. Other Federal	represents	0.04	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	0.02	_____
Portion of volume % that is offshore (0-100%)..	_____	0	_____
20. _____	represents		areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO ECOSYSTEMS**

**Surface Allocations** (uncertainty of a fixed value)

1. <u>North-Central Highlands (NCHL)</u>	represents	<u>22.5</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>22.5</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
2. <u>Tavaputs Plateau (TPPT)</u>	represents	<u>77.5</u>	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	<u>77.5</u>	_____
Portion of volume % that is offshore (0-100%)..	_____	<u>0</u>	_____
3. _____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
4. _____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	_____	_____	_____
Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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5.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
6.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
7.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
8.	_____	represents	_____	areal % of the assessment unit
<u>Oil in oil assessment unit:</u>		minimum	median	maximum
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____
<u>Gas in gas assessment unit:</u>				
	Volume % in entity.....	_____	_____	_____
	Portion of volume % that is offshore (0-100%)..	_____	_____	_____

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9. \_\_\_\_\_ represents \_\_\_\_\_ areal % of the assessment unit

Oil in oil assessment unit:

minimum

median

maximum

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

Gas in gas assessment unit:

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

10. \_\_\_\_\_ represents \_\_\_\_\_ areal % of the assessment unit

Oil in oil assessment unit:

minimum

median

maximum

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

Gas in gas assessment unit:

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

11. \_\_\_\_\_ represents \_\_\_\_\_ areal % of the assessment unit

Oil in oil assessment unit:

minimum

median

maximum

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

Gas in gas assessment unit:

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

12. \_\_\_\_\_ represents \_\_\_\_\_ areal % of the assessment unit

Oil in oil assessment unit:

minimum

median

maximum

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

Gas in gas assessment unit:

Volume % in entity.....

Portion of volume % that is offshore (0-100%)..

**ALLOCATIONS OF POTENTIAL ADDITIONS TO RESERVES TO LAND ENTITIES**  
**Subsurface Allocations** (uncertainty of a fixed value)

Based on Data as of: Data through 1998

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1. All Federal Subsurface represents 62 areal % of the assessment unit

<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>

<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>30</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>

2. Other Subsurface represents 38 areal % of the assessment unit

<u>Oil in oil assessment unit:</u>	minimum	median	maximum
Volume % in entity.....	<u>                    </u>	<u>                    </u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>                    </u>	<u>                    </u>

<u>Gas in gas assessment unit:</u>			
Volume % in entity.....	<u>                    </u>	<u>70</u>	<u>                    </u>
Portion of volume % that is offshore (0-100%)..	<u>                    </u>	<u>0</u>	<u>                    </u>



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**Chapter 28**